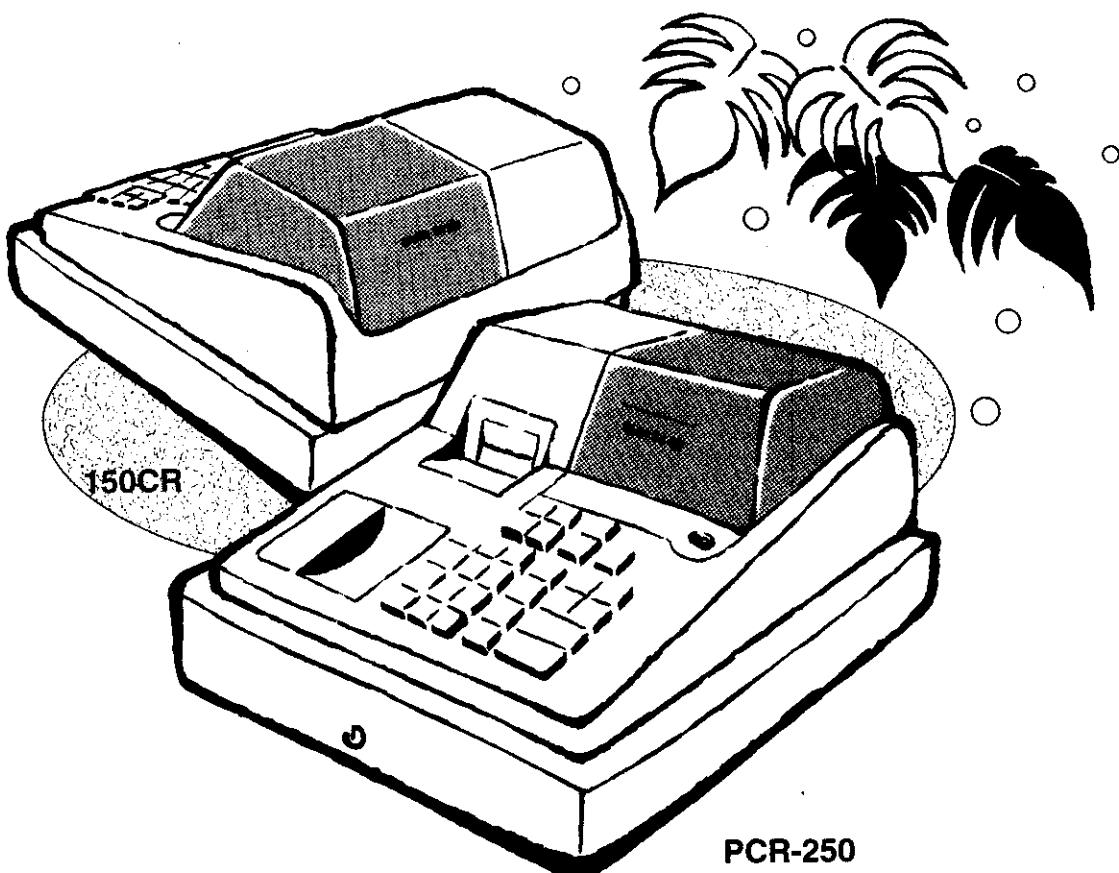


PCR-250

150CR

Electronic Cash Register



User's Manual

START-UP is QUICK and EASY!

Simple to use!

8 departments and 16 PLUs

Automatic Tax Calculations

Calculator function

CASIO

FCC
CI

Introduction

Thank you very much for purchasing this CASIO electronic cash register.
START-UP is QUICK and EASY!

Part-1 of this User's Manual can help you make a quick start.

Once you have mastered the QUICK START operations, you will undoubtedly want to expand your use of this machine by studying other sections of Part-2.

IMPORTANT

**FOR PROGRAMMING ASSISTANCE
PLEASE CALL TOLL FREE**

**1-800-638-9228
(1-800-661-2274 in Canada)**

CASIO Authorized Service Centers

If your CASIO product needs repair, or you wish to purchase replacement parts, please call 1-800-YO-CASIO.

Power Supply

Your cash register is designed to operate on standard household current (120 V, 50/60 Hz). Do not overload the outlet by plugging in too many appliances.

Original Carton/Package

If for any reason, this product is to be returned to the store where purchased, it must be packed in the original carton/package.

Cleaning

Clean the cash register exterior with a soft cloth which has been moistened with a solution of a mild neutral detergent and water, and wrung out.

Be sure that the cloth is thoroughly wrung out to avoid damage to the printer.

Never use paint thinner, benzene, or other volatile solvents.

Location

Locate the Cash register on a flat, stable surface, away from heaters or areas exposed to direct sunlight, humidity or dust.

NOTE

This User's Manual is also available in Spanish. To receive a copy in Spanish please call:

1-800-YO-CASIO

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Part-1 **QUICK START OPERATION**

(You can operate this ECR on a basic level by reading the following sections)

1. Initialization	5
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3. Basic Programming for QUICK START – TIME/DATE	7
4. Basic Operation after Basic Programming	13
5. Daily Management Report	16

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Part-2 **CONVENIENT OPERATION**

(Please keep these sections to expand your use.)

1. Various Programming	18
2. Various Operations	27

18

Part-3 **CALCULATOR FUNCTION**

1. Calculator Mode	33
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33

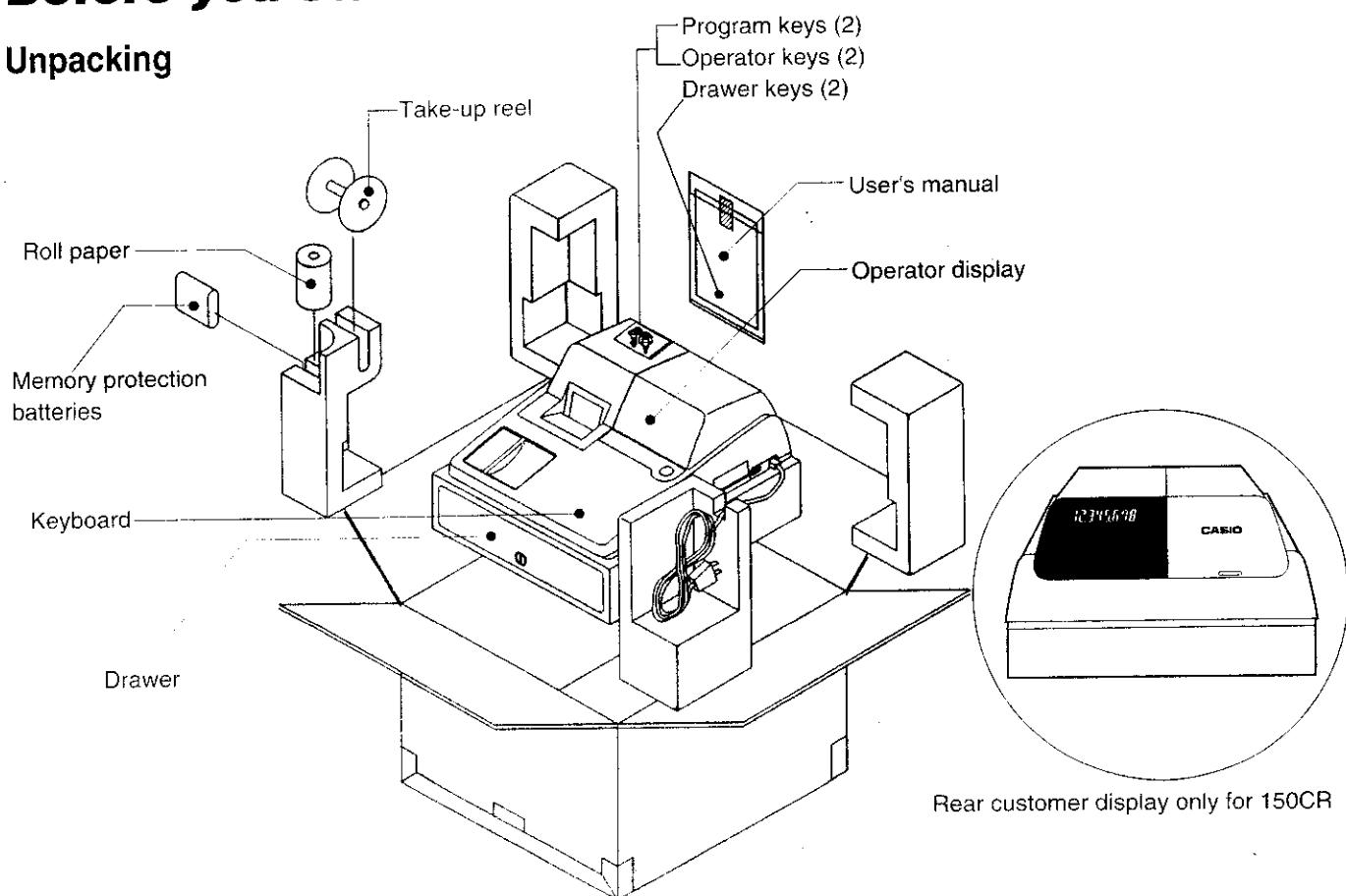
Part-4 **USEFUL INFORMATION**

1. Troubleshooting	35
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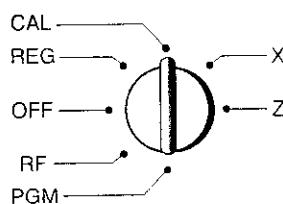
Before you start

Unpacking

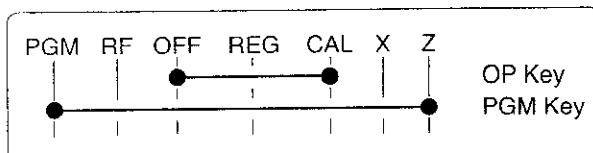


Rear customer display only for 150CR

Getting to know your cash register



The position of the Mode Switch controls the type of operations you can perform on the cash register. The PROGRAM Key (marked PGM) that comes with the cash register can be used to select any Mode Switch setting, while the OPERATOR Key (marked OP) can be used to select OFF, REG or CAL only.



OFF

In this position, the power of the cash register is off.

REG (Register)

This is the position used for registration of normal transactions.

RF (Refund)

This is the position used for registration of refunds.

CAL (Calculator)

This is the position used for calculator mode.

PGM (Programming)

This is the position used to program the cash register to suit the needs of your store.

X (Read)

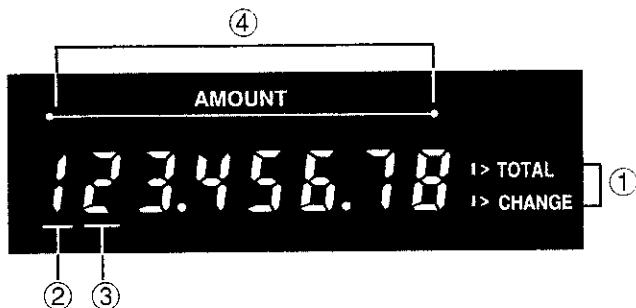
This is the position used to produce reports of daily sales totals without clearing the totals.

Z (Reset)

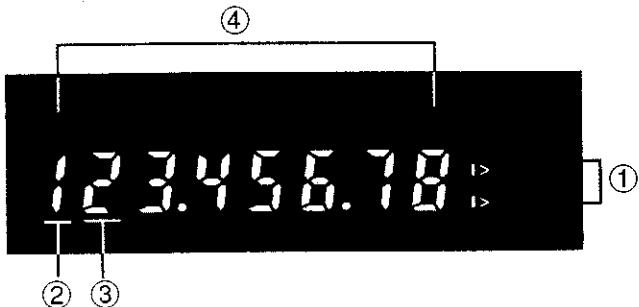
This is the position used to produce reports of daily sales totals. This setting clears the totals.

Displays

Operator Display



Rear Customer Display (only for 150CR)



① Total/Change Display

The total (upper segment) or change (lower segment) sign appears when a subtotal, total or change is obtained.

② Department Number Display

Anytime you press a department key to register a unit price, the corresponding department number appears here.

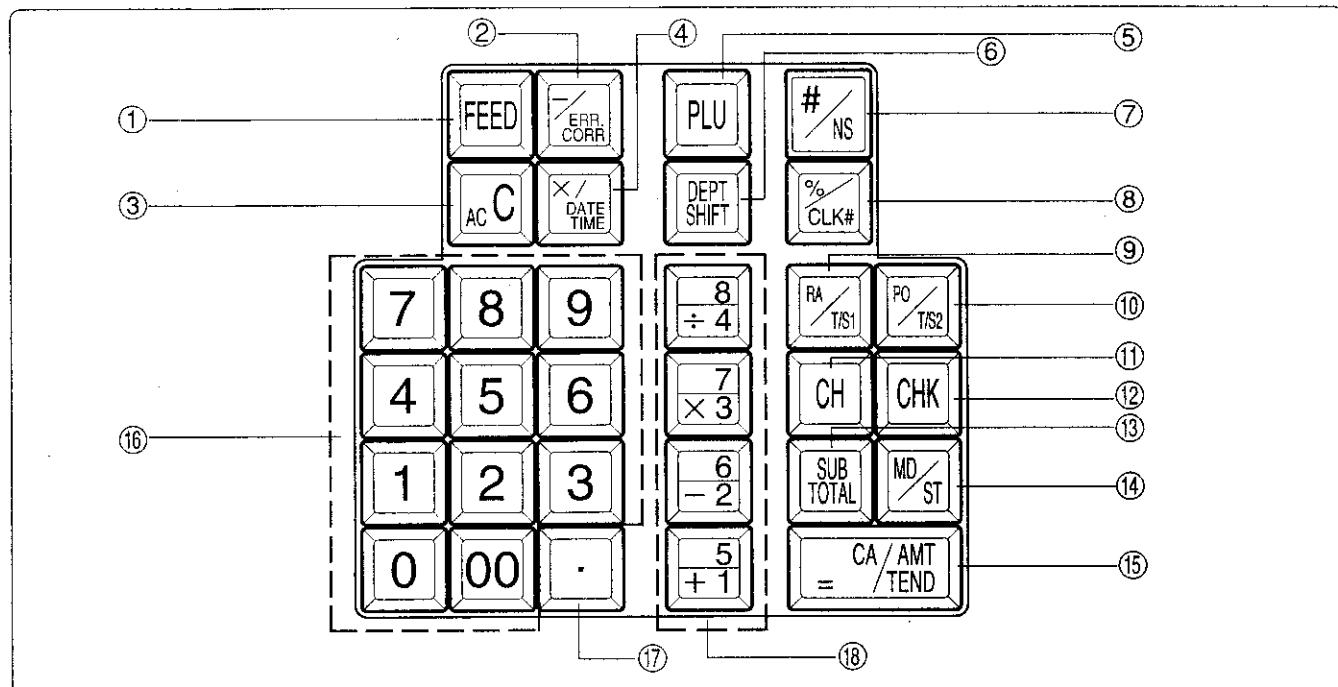
③ Number of Repeat Display

Anytime you perform "repeat registration" (page 13), the number of repeats appears here. Note that only one digit is displayed for the number of repeats.

④ Numeric Display

Entered values (unit prices or quantities) and calculated values (subtotals, totals or change amount due) are displayed here. The capacity of the display is 8 digits. This part of the display can be used to show the current time or date between registrations (page 31).

Keyboard



Certain keys have two functions; one for register mode and one for calculator mode.

In this manual, we will refer to specific keys as noted below to make the operations as easy to understand as possible:

Register Mode

- ① Feed Key
- ② Minus/Error Correction Key
- ③ Clear Key
- ④ Multiplication/Date Time Key
- ⑤ PLU (Price Look Up) Key
- ⑥ Department Shift Key
- ⑦ Reference Number/No Sale Key
- ⑧ Drawer Open key
- ⑨ Percent/Cashier ID No. Assignment Key
- ⑩ Received On Account/Tax Status 1 Shift Key
- ⑪ Paid Out Key/Tax Status 2 Shift Key
- ⑫ Charge Key
- ⑬ Check Key
- ⑭ Subtotal Key
- ⑮ Merchandise Subtotal Key
- ⑯ Cash Amount Tendered Key

Numeric Keys and 2-zero key

- ⑯ Decimal key

- ⑯ Department Keys

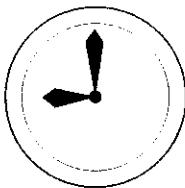
* Departments 5 through 8 are specified by pressing the key respectively as follows:

$+1$ \rightarrow Department 5 $\times 3$ \rightarrow Department 7
 -2 \rightarrow Department 6 $\div 4$ \rightarrow Department 8

Calculator Mode

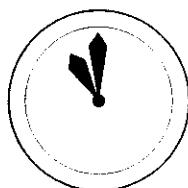
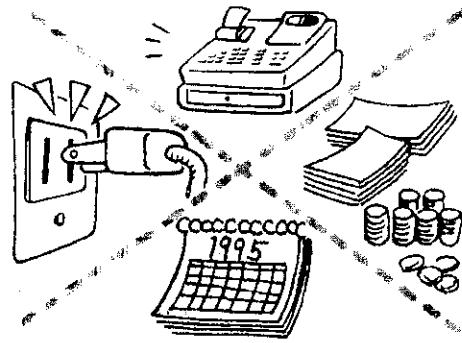
- ③ AC Key
- ⑤ Memory Recall key
- ⑧ Percent Key
- ⑯ ~ Numeric Keys and 2-zero key
- ⑯ Decimal key
- ⑯ Arithmetic Operation Keys
- ⑯ Equal Key

Daily Job Flow



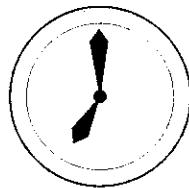
Before Opening The Store

1. Plugged in?
2. Enough Roll Paper?
3. Date and Time is correct?
4. Enough small change in the drawer?



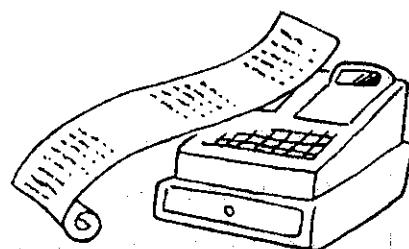
While The Store Is Open

1. Registrations.
2. Issuing latest daily sales total if needed.
(Generating report by Mode Switch to X position.)



After Closing The Store

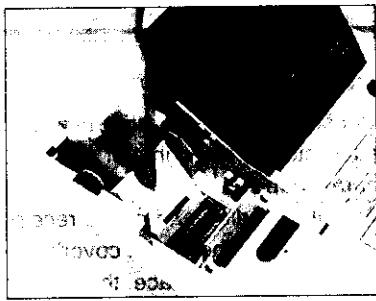
1. Issuing Daily Sales Total.
(Resetting report by Mode Switch to Z position.)
2. Picking up money in the drawer.
3. Turn the Mode Switch to OFF.



1. Initialization and Loading Memory Protection Battery

Important

You must initialize the Cash register and install the memory protection batteries before you can program the cash register.



(Figure 1)

► To initialize the cash register

1. Set the Mode Switch to OFF.
2. Plug the power cord of the cash register into an AC outlet.
3. Load the memory protection batteries.
4. Set the Mode Switch to REG.

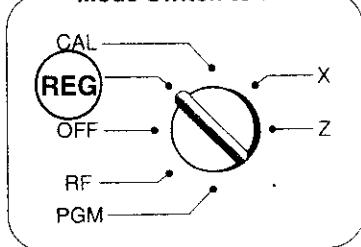
► To load the memory protection batteries

1. Remove the printer cover.
2. Press down on the oval just behind the printer paper inlet, and slide the battery compartment cover toward the back of the cash register (Figure 1).
3. Load 3 new UM-3, R6P (SUM-3) or LR6 (AM-3) type batteries into the compartment. Be sure that the plus (+) and minus (-) ends of each battery are facing in the directions indicated by the illustrations inside the battery compartment.
4. Slide the memory protection battery compartment cover back into place.
5. Replace the printer paper and printer cover.

REPLACE MEMORY PROTECTION BATTERIES AT LEAST ONCE EVERY YEAR.

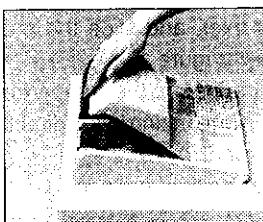
2. Loading Paper Roll And Replacing The Printer's Ink Roll

Mode Switch to REG

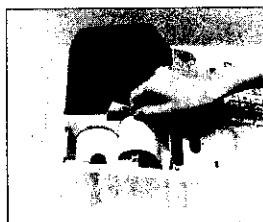


1. To load journal paper

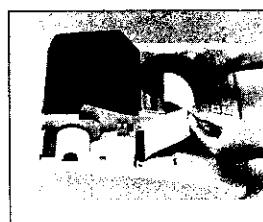
① Remove the printer cover by lifting up the back.



② Put a roll of journal paper into the holder.
 ③ Cut the leading end of the roll paper with scissors and insert the paper into the inlet.



④ Press the **FEED** key until 20 or 30 cm of paper is fed from the printer.
 ⑤ Roll the paper onto the take-up reel a few turns.

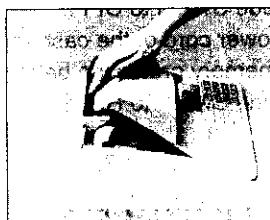


⑥ Set the left plate of the take-up reel and place the reel into the register.



⑦ Press the **FEED** key to take up any slack in the paper.

⑧ Replace the printer cover by placing the cover's front tab into the register's groove.



⑦ Remove the core of the paper.



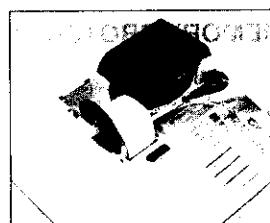
⑧ Load new paper following the instructions above, and replace the printer cover.

Default printer setting is for Journal.

To print receipts, please refer to 1-7-3 on page 23 to switch the printer for Receipt or Journal.

2. To remove journal paper

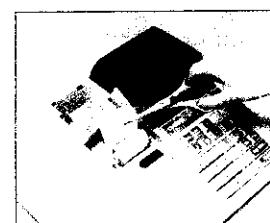
① Remove the printer cover following the instructions above.
 ② Press the **FEED** key until approximately 20cm of the paper is fed from the printer.
 ③ Cut off the roll paper.



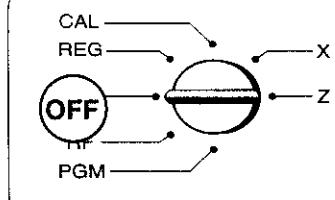
④ Remove the take-up reel from the printer and take off the left plate of the reel.
 ⑤ Remove the journal paper from the take-up reel.



⑥ Cut off the paper left in the printer and press the **FEED** key until the remaining paper is fed out from the printer.



Mode Switch to OFF



► To replace the ink roll

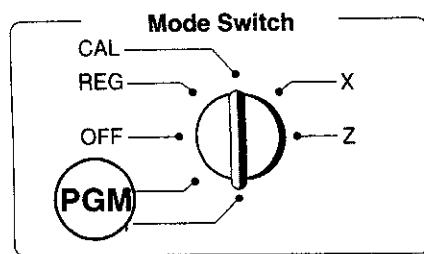
① Remove the printer cover.
 ② Lift up the tab on the ink roll marked "PULL UP".

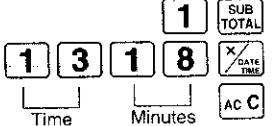
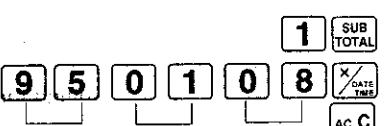
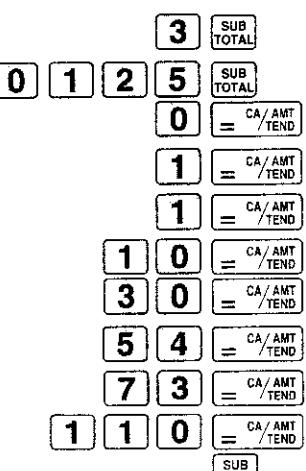
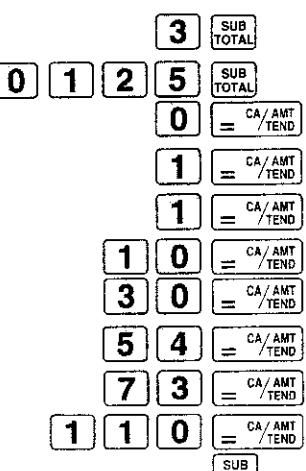


③ Install a new Ink Roll and press it down firmly but gently until it snaps into place.
 ④ Replace the printer cover onto the cash register.
 ⑤ Press the **#_{NS}** key to check for correct operation.

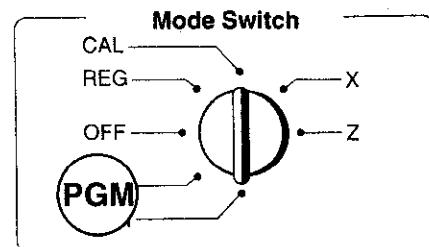
Options: Roll paper - P-5860
 Ink Roll - IR-40

3. Basic Programming for QUICK START



Procedure	Purpose
1. Insert the PROGRAM key (marked "PGM") and rotate to PGM position.	Programming
2. Press the following keys to set the current time.	
Example: 13:18 PM = 1318	
	P appears in mode display (to end the time setting)
<ul style="list-style-type: none"> • Enter 4 digits • 24-hour time format 	
3. Press the following keys to set the current date.	
Example: January 8, 1995 = 950108	
	P appears in mode display (to end the date setting)
<ul style="list-style-type: none"> • Enter 6 digits • Enter last 2 digits for year set. (1995 → 95) 	
4. For USA	Setting the Tax table 1
Find the tax table for your state on pages 9 through 12 of this manual.	
Press the following keys to set the tax tables 1 and 2.	
Example 1: Set Alabama state tax 4%.	
	P3 appears in mode display Program set code No. for tax table 1
1st code for 4%	
	
Last code for 4%	
(to end the setting)	

FOR PROGRAMMING ASSISTANCE, PLEASE CALL TOLL FREE 1-800-638-9228



Procedure	Purpose
Example 2: Set Colorado state tax 5.25%.	Setting the Tax table 2
<p>P3 appears in mode display Program set code No. for Tax table 2 5.25% tax 50 for Round off and 02 for Add On (to end the setting)</p>	
• Tax table 2 programming can set only tax rate, but not for a tax break point.	
4. For CANADA Find the tax table for your province on page 12 of this manual. Press the following keys to set the tax tables 1 and 2.	
Example 1: Set Quebec tax 9%.	Setting the Tax table 1
<p>P3 appears in mode display Program set code No. for tax table 1 9% tax 90 for round up and 02 for Add On. (to end the setting)</p>	
• Tax table 1 programming is used for the tax table includes break points and tax rate.	
Example 2: Set Ontario tax 10%.	Setting the Tax table 2
<p>P3 appears in mode display Program set code No. for tax table 2 10% tax rate 50 for Round off and 04 for tax on tax code (to end the setting)</p>	
• Tax table 2 programming can set tax rate and the tax table includes Tax-on Tax code (5004) as above example, but not for a tax break point.	

Tax status for the Departments are fixed as follows:

Departments 1~4: Taxable status 1 and 2.

Departments 5~8: Non-Taxable status.

• See page 18 to change the fixed tax status.

Tax Tables for USA

A

ALABAMA							
4%	5%	6%	6%	6%	7%	8%	
(4+1+1)							
0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1
10	10	8	9	10	7	6	6
30	29	24	20	20	21	18	18
54	49	41	40	36	35	31	31
73	69	58	55	54	49	43	43
110	89	70	70	64	56	49	49
110	90	85	78	68	59	49	49
	109	110	92	81	77	63	59
			107	93	82	69	59
				106		66	59

ALASKA							
KENAI		HOMER/ SELDOVIA		HAINES		JUNEAU	
2%	3%	3%	4%	4%	5%	5%	6%
0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1
10	10	8	9	10	7	6	6
25	29	24	20	20	21	18	18
75	49	34	25	19	12	13	13
83	75	62	56	46	49	49	49
116	127	127	127	127	127	127	127
150	155	155	155	155	155	155	155
183	177	177	177	177	177	177	177
216	227	227	227	227	227	227	227
	151						

ARIZONA							
4%	5%	6%	6.5%	6.7%	7%		
0	0	0	175	161	156	0	0
1	1	1	191	176	171	1	1
1	5	9	7	192	186	1	1
12	10	10	7	207	201	7	7
37	27	22	23	223	216	21	21
47	39	38	238	237	231	35	35
68	56	53	253	52	246	49	49
89	73	69	269	67	261	64	64
109	90	84	284	82	276	78	78
107	99	99	299	97	291	92	92
125	115	115	111	111	107		107
141	130						
158	146						

ARKANSAS							
3%	4%	5%	6%	7%	7.5%		
0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1
14	12	10	8	7	6	6	6
44	37	30	24	21	19	19	19
74	40	41	35	33	33	33	33
114	60	58	49	46	46	46	46
	110						
	107						

C

CALIFORNIA											
LOS ANGELES											
6%	6.25%	6.5%	6.75%	7%	7.25%	7.25%	7.5%	7.75%	8.25%	8.5%	Parking
0	141	0	0	130	299	6.75	0	121	278	7.25	131
1	156	1	1	146	5002	1	135	292	5002	1	5002
7	7	7	161	10	8	149	307	10		3	
10	10	10	176	20	10	164	20		6	17	
22	21	20	192	34	20	178	32		19	17	
39	37	35	207	48	33	192	46		33	29	
56	54	51	223	64	47	207	60		46	41	
73	70	67	238	80	62	221	74		59	52	
90	86	83	253	96	76	235	88		73	64	
108	103	99	269	111	91	249	103			76	
124	119	115	284	107	264	117				88	

COLORADO

LOVELAND

1.5%	2%	2.5%	3%	3.5%	3.6%	3.85%	4%	4.5%	5%	5%	5.25%	5.5%	5.6%	5.75%	6%	6.35%	6.4%	6.45%
0	0	0	0	0	0	0	0	0	211	0	5.25	0	172	0	168	0	165	0
1	1	1	1	1	1	1	1	1	233	1	5002	1	190	1	186	1	182	1
1	1	1	1	3	2	5	2	5	255	2	1	6	209	7	204	8	199	2
33	24	19	17	17	17	16	17	17	277	17	18	17	227	16	222	17	217	17
99	74	59	49	42	41	375	37	37	33	299	29	18	27	245	25	240	26	24
166	83	71	69	63	62	62	62	62	55	49	51	45	263	43	43	41		
233	116	99	97						77		68	63	281	61	60	58		
	149	128	124						99		84	81	299	79	78	74		
	183	157	152						122		118	99	97	95				
	185	180							144		118	115	113					
	214	208							166		136	132	130					
	242	236							188		154	150	147					

COLORADO

5.25%	6%	7%	7.5%	8%
0	198	0	0	0
1	218	1	1	1
2	2	2	1	1
16	8	7	6	6
27	24	21	19	18
46	41	35	33	31
65	58	49	46	
84	74	64	59	
103	91	76	73	
122	108	92		
141	124	107		
160				
179				

D

DISTRICT OF COLUMBIA					
D.C.	D.C.	D.C.	D.C.	D.C.	D.C.
5%	5.75%	6%	6%	6%	7.3%
0	5.75	0	0	0	105
1	5002	1	149	5002	
1	5002	1	1	1	116
1	5002	1	1	1	116
10	12	8	12	6	138
22	17	24	16	16	149
42	35	41	27	27	161
82	53	58	39	38	
62	71	74	60	49	
110	89	91	62	61	
	112	108	75	72	
			90	83	
			112	94	

F

FLORIDA					
Combined					
4%	5%	5.25%	6%	6.25%	7%
0	175	0	5.25	0	6.2
1	209	1	5002	1	5002
5	1	1	1	1	1
9	9	9	9	9	9
25	20	20	16	16	14
50	40	33	30	28	26
75	60	50	46	40	35
109	8				

Part-1 QUICK START OPERATION

I

IDAHO			
3%	4%	4.5%	5%
0	0	0	227
1	1	1	1
1	2	2	2
15	11	15	11
42	32	27	25
72	57	49	45
115	71	93	
		115	
		137	
		160	
		183	
		205	

ILLINOIS												
1%	1.25%	2%	5%	6%	6.25%	6.5%	6.75%	7%	7.5%	7.75%	8%	8.75%
0	0	0	0	0	0	0	161	6.75	0	0	7.75	0
1	1	1	1	1	1	1	5002	1	1	5002	1	5002
1	1	1	6	1	1	1	192	1	1	06	1	05
49	39	24	12	8	7	7	207	8	6	6		
148	119	74	25	24	23	23		22	19	18		
								36	33	31		
								50	46			
								69	65			
								88	79			
								109	94			
								129	115			
									130			
									146			

INDIANA			
1%	4%	5%	MARION County
			5%
			6%
0	0	0	0
1	1	1	1
1	2	1	2
49	15	9	15
148	37	29	37
	62	49	49
		62	49
		87	69
		112	89
		137	109

K

IOWA		
4%	5%	6%
0	0	0
1	1	1
3	1	1
12	9	8
37	29	24
50	41	
75	58	
	74	
	91	
	108	

KANSAS																				
2.5%	3%	3.1%	3.25%	3.5%	3.75%	4%	4.1%	4.5%	5%	5.25%	5.5%	5.85%	5.9%	6%	6.15%	6.4%	6.5%			
0	0	3.1	0	323	0	0	279	0	4.1	0	0	5.25	0	190	5.65	5.9	0	6.15	6.4	6.5
1	1	5002	1	353	1	1	306	1	5002	1	1	5002	1	209	5002	5002	1	5002	5002	5002
1	1	16	1	384	1	1	333	1	12	1	1	1	1	08	08	7	08	07	07	
19	16	415	14	359	12		11	9		9						8				
59	49	46	42	39	38	37		33	29	27						24				
99	83	76	71	66	413	62		55		45						41				
139	116	107	99	93	87		77		63							58				
179		138	128	119	112	112		99		81						74				
		169	157	148				122		99						91				
		193	185	173				144		118						108				
		230	199					166		136						124				
		261	226					188		154						141				
		292	253					211		172						158				

L

KENTUCKY	
9.5%	10%
5%	6%
0	0
1	121
1	1
1	131
05	142
15	152
26	163
36	173
47	184
57	194
68	64
78	74
89	84
99	94

LOUISIANA										
2%	3%	4%	4.5%	5%	6%	6%	7%	7.5%	8%	9%
0	0	0	0	0	0	0	161	0	0	0
1	1	1	1	1	1	1	176	1	1	1
1	2	2	2	1	6	2	17	192	1	2
24	16	12	11	10	8	7	207	7	6	4
74	49	37	33	27	24	23	223	21	19	16
124	82	62	55	47	41	38	238	35	33	27
174	116	87	77	67	58	53	253	49	46	38
224	149	112	99	87	74	69	269	64	59	49
							84	284	67	61
							144	299	80	72
							166	115	93	83
							188	130	106	94
							211	146	105	

M

MAINE		
5%	6%	7%
0	0	7
1	1	1
1	2	7
10	9	21
20	16	35
40	33	49
60	50	64
80	66	78
110	83	92
		99
		100
		120
		140

MARYLAND		
4%	5%	Meals Tax
		5%
0	0	0
1	1	1
1	2	7
24	19	99
25	20	99
50	40	99
		99
		100
		120
		140

MASSACHUSETTS	
4.625%	5%
4%	6%
0	0
1	227
1	248
13	270
10	291
32	313
54	335
75	356
97	378
118	399
140	421
162	443
183	201

MICHIGAN							
6%	6.5%	7%	8.5%	5.05%	5.1%	5.225%	5.6%
0	0	0	0	0	0	5.225	0
1	1	1	1	1	1	5002	1
1	2	3	1	5	1	15	1
10	10	10	10	9	9	241	8
32	32	31	30	19	29	258	26
59	54	52	50	39	49	276	44
82	75	74	70	59	68	294	62
97	95	96	93	79	88	312	79
118	116	107	114	98	107	330	97
140	128	135	130	118		348	115
162	149	156	150	136		366	133
183	179	177	170	158		383	151
205	201			178		168	152

MISSISSIPPI							
5%	6%	7%	8%	8.5%	9%	9.25%	10%

<tbl_r cells="8" ix="3" maxcspan="1" maxrspan="

N

NEW HAMPSHIRE			NEW JERSEY			NEW MEXICO											
7%	Rooms & Meals	Rooms & Meals	3%	3.5%	6%	7%	3.75%	4.25%	4.375%	4.5%	4.875%	5.175%	5.25%	5.375%	5.575%	5.75%	
7%	7%	8%	0	0	0	0	0	280	0	247	0	239	0	4,875	5,175	0	
0	129	0	128	0	0	0	130	0	125	0	121	0	119	5,375	5,575	5,75	
1	143	1	142	1	1	1	146	1	140	1	130	1	118	5002	5002	5002	
8	158	8	157	4	1	1	151	8	178	1	270	1	270	11	9		
14	172	35	171	35	17	14	10	10	192	13	359	11	317	11	11		
26	186	35	185	35	41	42	22	21	207	40	35	341	34	33	28		
39	201	38	200	35	71	71	38	35	117	93	82	388	79	78	47		
51	50		37		128	72	64			120	105	411	102	100	85		
63	62		50		157	88	78			146	129	125	122	122	104		
75	74		62		185	110	92			173	152	148	144	144	123		
88	87				214		107			200	176	171	167	167	142		
101	100						121			226	199	194	189	189	161		
115	114						135			253	223	217	211	211	180		

NEW YORK															SUFFOLK County		
ERIE															8.25%		
5.187%	6.1875%	6%	6.25%	6.5%	6.75%	7%	7.25%	7.5%	8.5%	8%	8%	8.25%	8%	8.25%	8%	8.25%	
0	6,187	0	5,25	5,75	0	141	0	0	130	6,75	0	121	7,25	0	113	8,5	0
1	5002	4	5002	5002	1	158	1	1	146	5002	1	135	5002	1	126	5002	1
9						7	7	1	161	8	149	8	139	10	131	9	131
23	5	6															
40	12	10															
56	33	27															
72	58	47															
88	83	87															
104	112	87															
120	137	109															
136																	
153																	

NORTH CAROLINA			NORTH DAKOTA													
CHEROKEE Reservations			NORTH DAKOTA													
3%	4%	4.5%	5%	6%	6.5%	7%	7.5%	8%	8.5%	9%	9.5%	10%	10.5%	11%	11.5%	12%
0	0	0	188	0	0	0	182	0	0	170	0	0	0	0	0	0
1	1	211	1	1	1	1	200	1	1	185	1	1	1	1	1	1
4	5	6	233	6	2	2	219	3	2	200	2	2	3			
9	9	9	255	8	10	8	176	17	17	15	15	15	15			
35	23	25	277	23	24	24	169	15	15	15	15	15	15			
70	59	53	299	48	41	41	164	15	15	15	15	15	15			
116	84	75	322	67	58	58	200	28	28	207	207	207	207			
149	112	95	85	74	74	46	215	42	42	199	199	199	199			
183	137	122	109	91	91	61	230	57	57	100	100	100	100			
216						76	71	71	71	108	108	108	108			
						92	85	85	85	124	124	124	124			
						107	100	100	100	146	146	146	146			
										164	164	164	164			

OHIO															OKLAHOMA		
MEIGS Co.															CUYAHOGA Co.		
2%	3%	3.25%	4%	4.25%	4.5%	5%	5.25%	6%	6.25%	6.5%	6.75%	7%	8%	9%	10%		
0	0	146	5,75	0	0	134	0	123	0	115	0	115	7,75	0	323	0	4,25
1	1	164	5002	1	1	1	1	138	1	128	1	128	5002	1	5002	1	5002
2	2	182		2	2	3	2	153	3	153	3	153		1	384	1	2
15	15	200	15	16	15	15	15	169	15	169	15	169		2	15	1	1
20	18	218	17	17	16	16	15	184	15	184	15	184		12	11	9	8
40	36		34	34	32	32	30	200	28	207	28	207		37	33	29	24
54			50	50	42	42	46	215	42	215	42	215		107	77	55	41
72			67	67			61	230	57	57	57	57		138	538	99	58
90			83	83			76	71	71	71	71	71		169	569	121	78
109			100	100	91	91	110	123	107	123	107	123		199	599	144	144
122			103	91			117	100	100	100	100	100		230	261	21	21
							134			140		140		127	109	7	7

TENNESSEE															COUNTY TAX			
4.5%	5.5%	6%	6.25%	6.5%	6.75%	7%	7.25%	7.5%	7.75%	8%	8.25%	8.5%	8.75%	9%	9.25%	9.5%	9.75%	
0	188	0	154	354	0	0	130	0	125	0	121	0	117	0	7.75	0	106	8.25
1	211	1	172	372	1	1	146	1	140	1	130	1	118	1	5002	1	111	5002
1	11	150	390	2	2	2	161	8	155	2	144	2	130	2	2	2	123	
11	10	209	10	10	10	10	176	10	170	10	158	10	158	10	10	10	135	
33	27	227	24	23	23	192	22	185	21	207	19	172	19	18	18	17	147	
55	45	245	41	39	38	207	37	199	35	34	33	185	33	31	31	29	158	
77	63	263	58	55	53	223	51	214	49	48	46	43	43	43	43	41	170	
99	81	281	74	71	69	66	229	64	64	61	59	56	56	56	52	52	182	
122	99	299	87	84	81	81	244	78	75	75	75	66	66	66	64	64		

Part-1 QUICK START OPERATION

TEXAS																																			
4%		4%		4.125%		4.625%		5%		5.125%		5.25%		5.375%		5.5%		5.625%		6%		DALLAS		HOUSTON (Harris County)		6.125%		6.25%		6.25%		6.75%		7%	
0	0	0	0	181	424	4.625	0	5.125	0	142	5.375	0	137	0	133	0	0	0	6.125	0	119	6.250	6.75	0	107	5002	1	5002	1	107					
1	1	1	1	206	5002	1	5002	1	161	5002	1	55	1	151	1	1	1	1	5002	1	119	6.250	6.75	0	107	5002	1	5002	1	107					
1	1	1	1	230				9	12	180		1	173	1	168	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
12	12	12	12	254				9	9	199		9	191	8	8	8	9	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7		
37	37	36	36	278				29	28	219		27	209	26	24	25	24	25	24	25	24	23	23	23	23	23	23	23	23	23	23	23	23		
62	60	60	60	303				49	47	238		45	44	41	42	41	41	42	41	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
87	84	84	84	327				69	66	63		62	58	59	58	59	58	59	58	59	58	55	55	55	55	55	55	55	55	55	55	55	55	55	
109	109	109	109	351				85	81	79		79	74	74	74	74	74	74	74	74	74	71	71	71	71	71	71	71	71	71	71	71	71	71	
133	133	133	133	375				104	99	97		97	91	91	91	91	91	91	91	91	91	87	87	87	87	87	87	87	87	87	87	87	87	87	
157	157	157	157	399				123	118	115		115	108	108	108	108	108	108	108	108	108	103	103	103	103	103	103	103	103	103	103	103	103	103	

U

4.75%		5%		5.25%		5.375%		5.5%		5.75%		6%		6.25%		7%		7.25%		
7.25%	7.5%	7.75%	8%	8.25%																
7.25	0	0	96	0	8.25															
5002	1	1	1	5002																
5002	1	5	122	1																
6	6	135	6																	
19	19	148	18																	
33	32	161	31																	
46	45	174																		
59	58	187																		
73	70																			
86	83																			

4.75%		5%		5.25%		5.375%		5.5%		5.75%		6%		6.25%		7%		7.25%	
0	221	0	0	199	0	0	0	190	5.75	0	0	0	0	0	7.25				
1	242	1	1	219	1	1	1	209	5002	1	1	1	1	1	5002				
1	263	1	1	238	1	1	1	228	5002	2	2	2	2	2	5002				
10	284	9	9	257	9	9	9	247	5002	7	7	7	7	7	5002				
31	305	29	28	276	27	27	27	266	5002	24	23	23	23	23	5002				
52	326	47	46	295	46	45	45	446	5002	41	37	35	35	35	5002				
73	347	66	65	314	65	63	63	626	5002	58	47	49	49	49	5002				
94	368	85	83	333	83	81	81	801	5002	74	63	64	64	64	5002				
115	389	104	102	352	102	99	99	981	5002	55	44	44	44	44	5002				
136	410	123	121	371	121	118	118	1171	5002	55	44	44	44	44	5002				
157	142	390	388	136	388	364	364	3631	5002	107	99	99	99	99	5002				
178	181	409	407	154	409	154	154	1531	5002	84	84	84	84	84	5002				
199	180			172				171											

3%		4%		5%		6%	
0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1
4	2	2	2	2	2	2	2
13	10	10	10	10	10	10	10
33	25	20	20	20	20	20	20
66	50	40	40	40	40	40	40
100	80	56	56	56	56	56	56
133	100	68	68	68	68	68	68
166	120	81	81	81	81	81	81
200	140	93	93	93	93	93	93

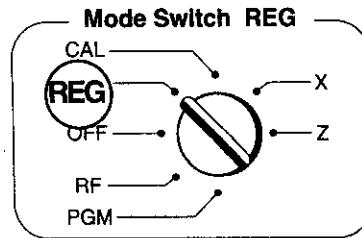
VIRGINIA

ARLINGTON COUNTY		FAIRFAX		FAIRFAX Meals tax		HAMPTON Restaurant		LEESBURG Meal tax		RICHMOND Restaurant		ALEXANDRIA		NEWPORT NEWS		RICHMOND		ROANOKE CITY		VA BEACH	
4%	4%	4.5%	5.5%	6.5%	7%	7%	7%	7%	7%	7%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%	8%	8.5%	9%		
0	214	484	0	188	0	149	0	124	0	129	0	126	0	0	0	116	0	114	0	99	9
1	234	512	1	211	1	166	1	144	1	134	1	139	1	1	1	122	1	114	1	112	5002
21	259	537	2	233	4	188	1	166	13	149	1	153	2	3	151	7	2	1	141	6	
14	284	12	15	255	11	211	11	174	14	159	7	166	7	6	164	19	6	6	154	18	
34	314	37	33	277	14	233	24	188	29	184	19	179	19	177	17	32	18	18	18	168	30
44	144	26	142	29	144	41	45	35	34	198	33	193	33	32	190	44	31	31	30	179	43
44	166	36	36	152	33	149	61	62	61	225	59	59	59	217	70	56	55	203	67	191	55
55	166	47	163	49	166	116	81	81	110	74	239	73	72	72	230	83	80	80	203	80	80
55	188	57	173	55	169	84	118	118	136	88	252	86	86	85	243	98	256	92	269	104	104

4. Basic Operation after Basic Programming

Note:

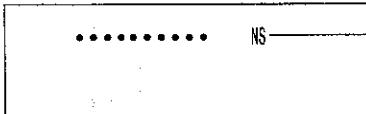
Whenever an error is generated (E01 displayed), the input figures reset to 0.



Operation

4-1 Open the drawer without a sale

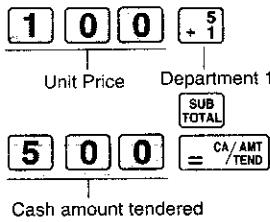
#/NS



4-2 Basic operation

Example

Unit Price	\$1.00
Quantity	1
Dept.	1
Cash Amount tendered	\$5.00



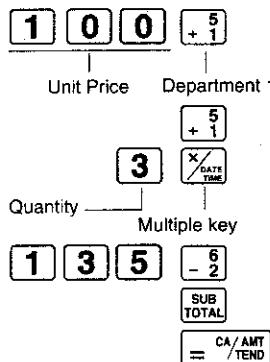
•1•00	1*	Unit Price/Department No.
•1•00	TA	Subtotal
•0•04	TX	Tax
•1•04	ST	
•5•00	CA	Cash Amount Tendered
•3•96	CG	Change Amount Due

Departments 5 through 8 can also be registered in combination with the **DEPT SHIFT** and **DEPT SHIFT + 1**, **DEPT SHIFT + 2**, or **DEPT SHIFT + 3** keys, respectively.

4-3 Multiple registration of the same items

Example

Unit Price	\$1.00	\$1.35
Quantity	2	3
Dept.	1	2



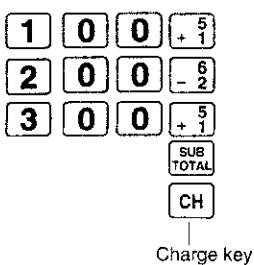
•1•00	1*	Repeat
•1•00	1*	
3	X	Multiplication Symbol
•1•35	@	Unit Price Symbol
•4•05	2*	Department No.
•6•05	TA	
•0•24	TX	
•6•29	CA	

Note that repeat registration can be used with unit prices up to 6 digits long.

4-4 Charge sales

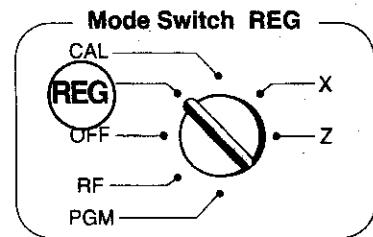
Example

Unit Price	\$1.00	\$2.00	\$3.00
Quantity	1	1	1
Dept.	1	2	1



•1•00	1*	
•2•00	2*	
•3•00	1*	
•6•00	TA	
•0•24	TX	
•6•24	CH	Charge Sales

You cannot perform the amount tendered operation using the **CH** key.



Operation

4-5 Split cash/charge sales

Example

Unit Price	\$2.00	\$3.00	\$4.00
Quantity	1	1	1
Dept.	1	2	1
Cash Amount tendered		\$5.00	

Printout

•2.00 1*
 •3.00 2*
 •4.00 1*
 •9.00 TA
 •0.36 TX
 •9.36 ST
 •5.00 CA — Cash Amount Tendered
 •4.36 CH — Charge Sales

4-6 Corrections

Corrections can be made while you are registering the item (before you press a department key), or after it has already been registered into the memory (by pressing a department key).

4-6-1 Before you press a department key

Example

1. Entered 400 for unit price by mistake instead of 100.

Operation

4 0 0 AC C
 Wrong entry Clears the last item entered.
 1 0 0 + 1
 Correct entry Registered Department 1

Printout

•1.00 1*

2. Entered unit price first instead of quantity and then pressed .

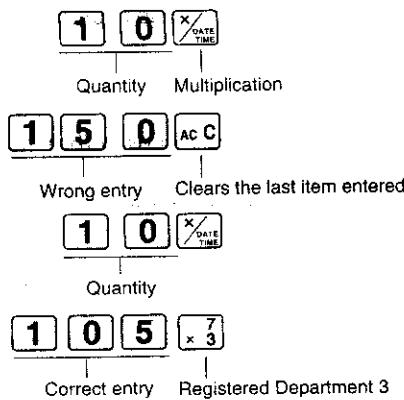
2 0 0 X DATA/TIME
 Unit price Multiplication
 AC C
 Clears the last item entered.
 5 X DATA/TIME
 Quantity Multiplication
 2 0 0 - 6
 Unit price Registered Department 2

5 X
 •2.00 @
 •10.00 2*

Operation

Printout

3. Entered 150 for unit price by mistake instead of 105.



10	X
•1.05	@
•10.50	3*

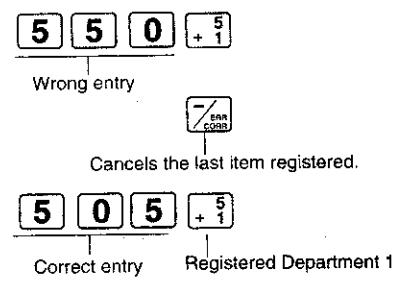
4-6-2 After you pressed a department key



key cancels the last registered item.

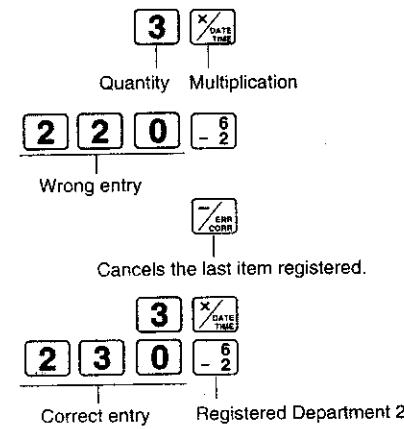
Example

1. Entered unit price 550 by mistake instead of 505 and pressed a department key.



•5.50	1*
-5.50	VD
•5.05	1*

2. Entered unit price 220 by mistake instead of 230 and pressed a department key.



3	X
•2.20	@
•6.60	2*
-6.60	VD
3	X
•2.30	@
•6.90	2*

5. Daily Management Report

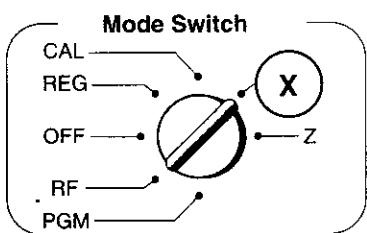
This section tells you the procedures to use to produce reports of the transaction data stored in the cash register's memory.

Important

Remember that when you issue a reset (Z) report, the data that is reported is cleared from the applicable totalizers. To view data without clearing totalizers, issue a read (X) report.

5-1 Financial Report

Operation



DATE
TIME

Printout

01-08-95	—	Date
14-27 0072	—	Time/Consecutive No.
X		Read Symbol
67	*	Gross Sales No. of Items
•270•48	*	Gross Sales Amount
38	NT	Net Sales No. of Customers
•271•24	NT	Net Sales Amount
•197•57	CA #	Cash Total in Drawer
•18•19	CH #	Charge Total in Drawer
•45•48	* CK	Check Total in Drawer

5-2 General Control Read/Reset Report

Operation

Mode Switch to **X**

(Read)

CA/AMT
TEND

Printout

Z (Reset) report

01-08-95	—	Date
19-35 0073	—	Time/Consecutive No.
0001	Z	Non-resettable No. of Resets/RESET Symbol*1
48 1	—	No. of Items/Dept. No. "1"
•50•10	—	Amount
28 2	—	
•76•40	—	
17 3	—	
•85•80	—	
4 4	—	
•76•00	—	
1 5	—	
•6•50	—	
0 6	—	
•0•00	—	
0 7	—	
•0•00	—	
10 8	—	
•22•00	—	
108 *	—	Gross Sales No. of Items
•316•80 *	—	Gross Sales Amount

Mode Switch to **Z**

(Reset)

CA/AMT
TEND

•0•50	-	Reduction Amount
•0•66	%+	Premium/Discount Amount
•105•10	TA	Taxable Amount for Tax Table 1
•4•20	TX	Tax Amount for Tax Table 1
•75•60	* TA	Taxable Amount for Tax Table 2
•3•97	TX 2	Tax Amount for Tax Table 2
46	NT	Net Sales No. of Customers
•325•13	NT	Net Sales Amount
•325•13	1	Clerk Sales Amount/Clerk No.
44	CA	Cash Sales Count
•203•91	CA	Cash Sales Amount
3	CH	Charge Sales Count
•16•22	CH	Charge Sales Amount
2	CK	Check Sales Count
•105•00	CK	Check Sales Amount
•6•00	RA	Received On Account Amount
•10•00	PO	Paid Out Amount
3	VD	Error Correction Count
1	RF	Refund (by MODE operation) Count
•3•00	RF	Refund (by MODE operation) Amount
5	CA ×	No. of $\frac{CA}{RF}$ key operation
1	NS	No-sales Count
•199•91	CA #	Cash in Drawer
•16•22	CH #	Charge in Drawer
•105•00	* CK	Check in Drawer
000000		Non-resettable Grand Sales Total
0325•13		(printed only on RESET report)*2

* X (Read) report is the same except "1" and "2".

5-2-2 Periodic Read/Reset Report

Operation

Printout

Mode Switch to  or 

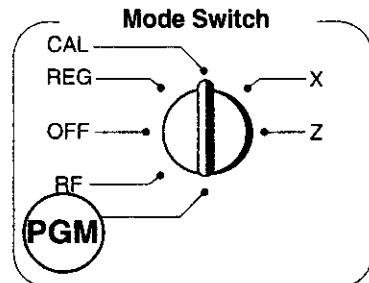
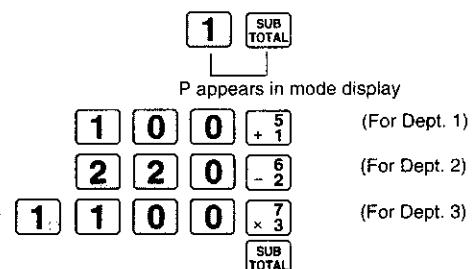
1 0 

01-08-95	Date
19-50 0074	Time/Consecutive No.
10 ****	Read Symbol
67 *	Gross Sales No. of Items
•270•73 *	Gross Sales Amount
38 NT	Net Sales No. of Customers
•271•24 NT	Net Sales Amount

1. Various Programming**1-1 Unit price for Departments**

Example

Unit Price	\$1.00	\$2.20	\$11.00
Dept.	1	2	3

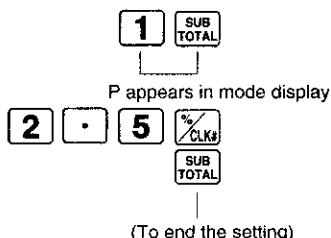


- Unit prices within the range of 0.01~9999.99.

1-2 Rate for percent key

Example

Discount Rate	2.5%
---------------	------



- The rate within the range of 00.01 to 99.99%.

1-3 To change tax status for Departments

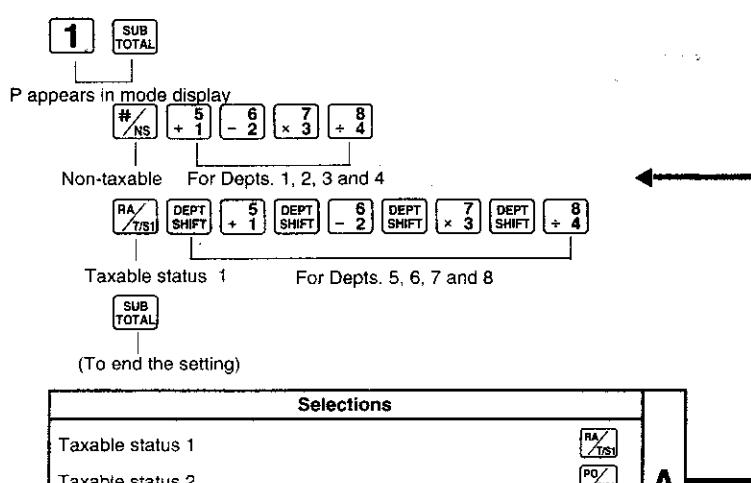
Tax status for the Departments are fixed as follows:

Departments 1~4: Taxable status 1 and 2.

Departments 5~8: Non-Taxable status.

Example

Status	Non-taxable	Taxable 1
Depts.	1~4	5~8



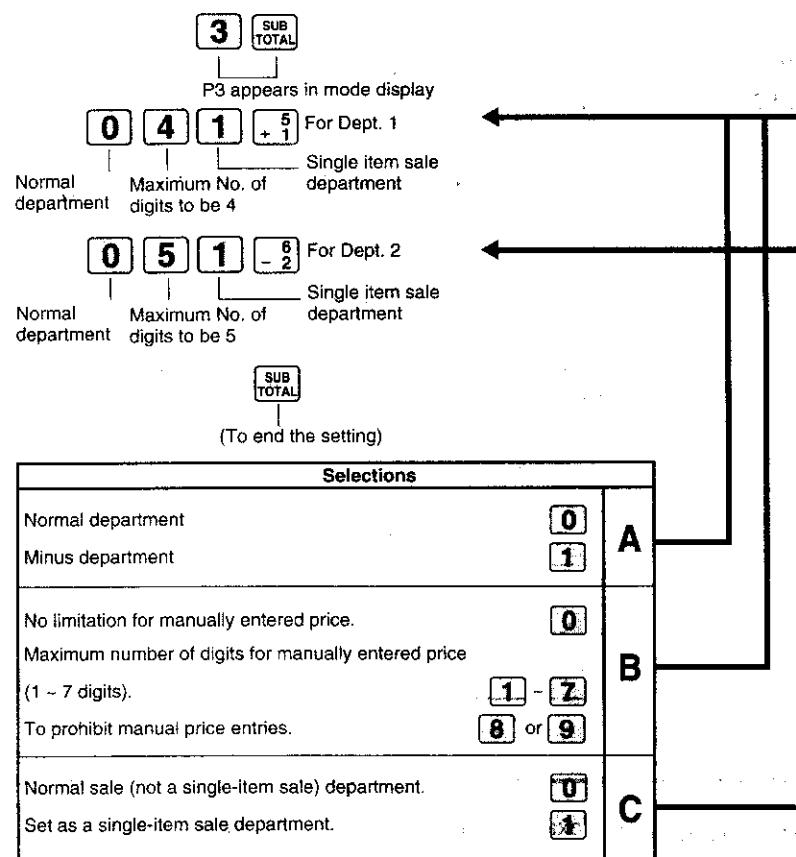
Selections	
Taxable status 1	RA / TSI
Taxable status 2	PO / TSI
Taxable status 1 and 2	RA / TSI
Non-taxable status	# / NS

A

1-4 Status for Department

Example

Depts.	Selections		
	A	B	C
1	0	4	1
2	0	5	1



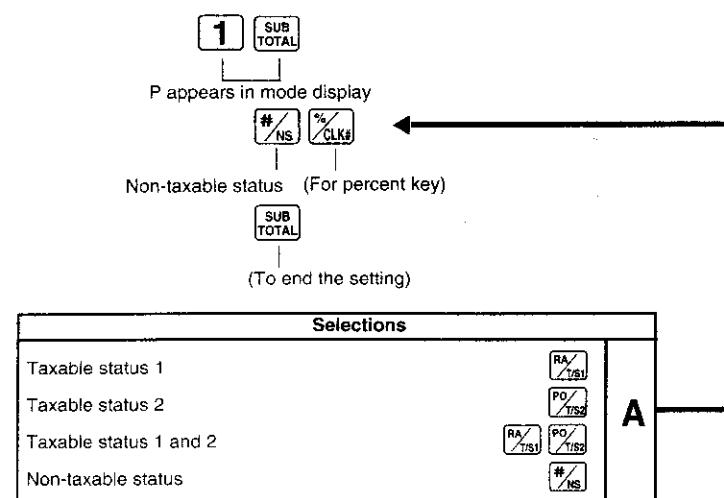
1-5 Status for percent key

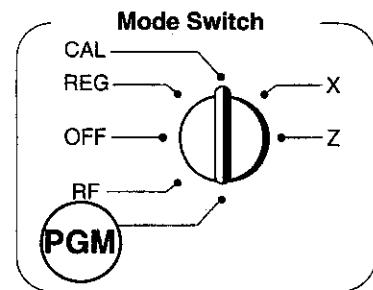
1-5-1 To change taxable status for the percent key

Taxable status 1 and 2 are fixed for the percent key.

Example

Change Percent key registration as a Non-taxable.

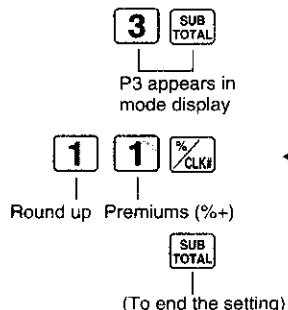




1-5-2 Status for percent key

Example

Round	Up
Percent	%+



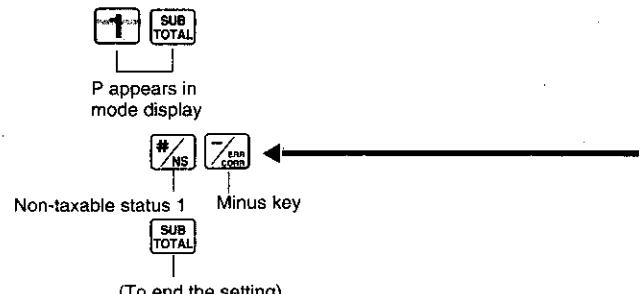
Selections	
Rounding of results produced by Percent Key operation.	
Round off (1.544=1.54; 1.545=1.55)	0
Round up (1.544=1.55; 1.545=1.55)	1
Cut off (1.544=1.54; 1.545=1.54)	2
Program Percent Key to register discounts (%-).	0
Program Percent Key to register premiums (%+).	1
Program Percent Key to function as a Manual Tax key.	2

1-6 Taxable Status for minus key

Taxable status 1 and 2 are fixed for the minus key.

Example :

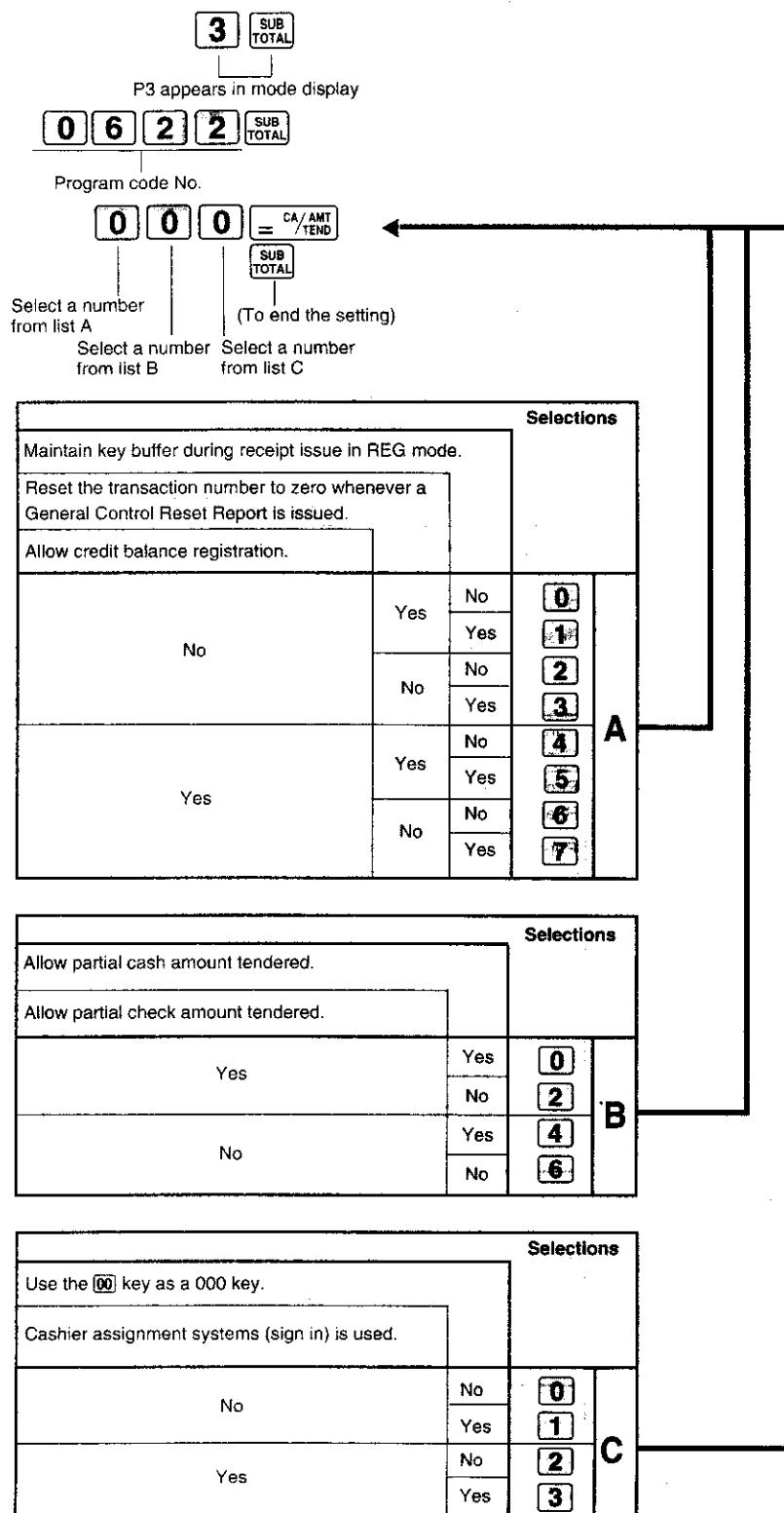
Change minus key registrations
Non-taxable status.



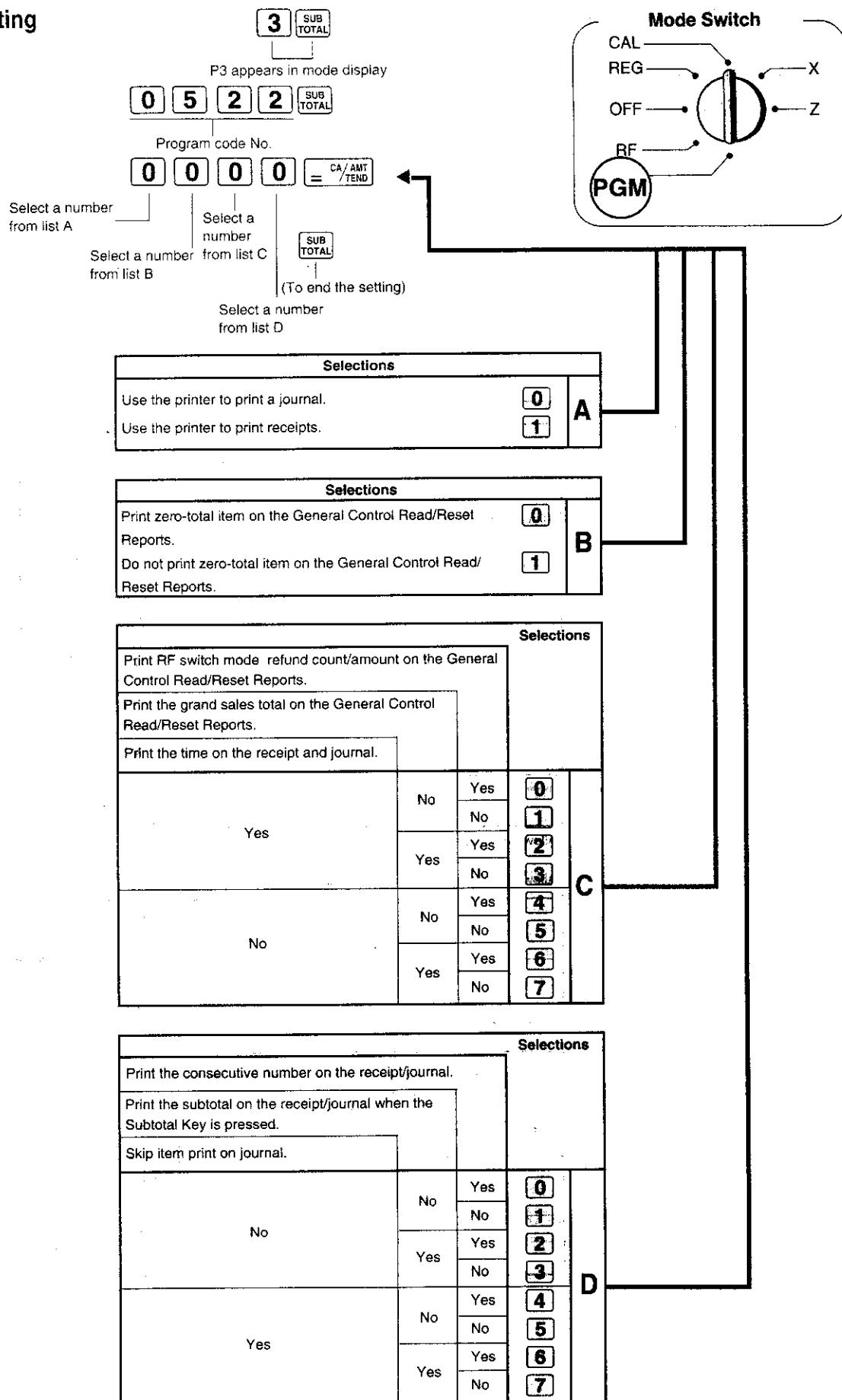
Selections	
Taxable status 1	RA/TJS1
Taxable status 2	PO/TJS2
Taxable status 1 and status 2	RA/TJS1 PO/TJS2
Non-taxable status	# NS

1-7 General features

1-7-1 To set general controls



1-7-2 To set printing controls

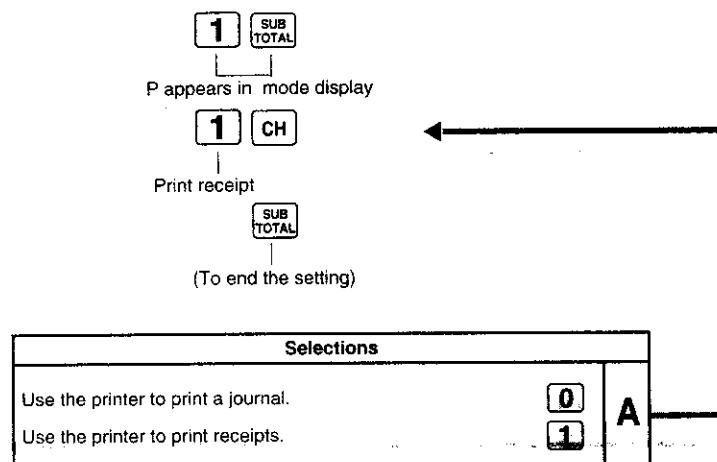


1-7-3 Printer switch for Receipt or Journal

The printer is fixed as journal after initialized operation.

Example

To print a receipt.



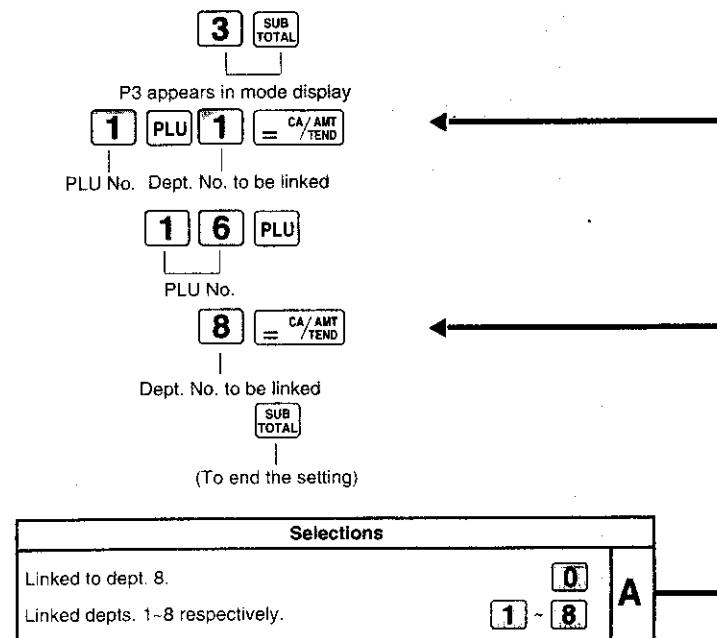
- Printer selection to print a journal or receipts can also be set on procedures 1-7-2 "To set printing controls".

1-8 PLU setting

1-8-1 Linkage with Departments

Example

PLU No.	1	16
Link Dept. No.	1	8

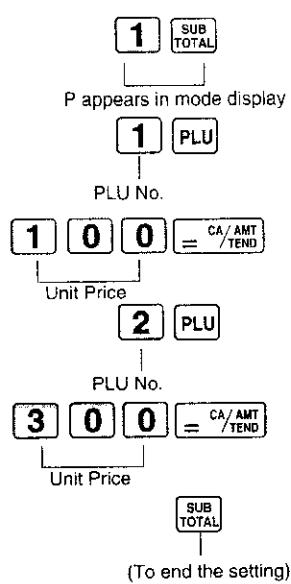


- 16 PLUs can be set.
- When the linked department is not specified, the PLU is linked to department 8.
- Status for a single-item sale, minus status and tax status are followed the specified linked department.

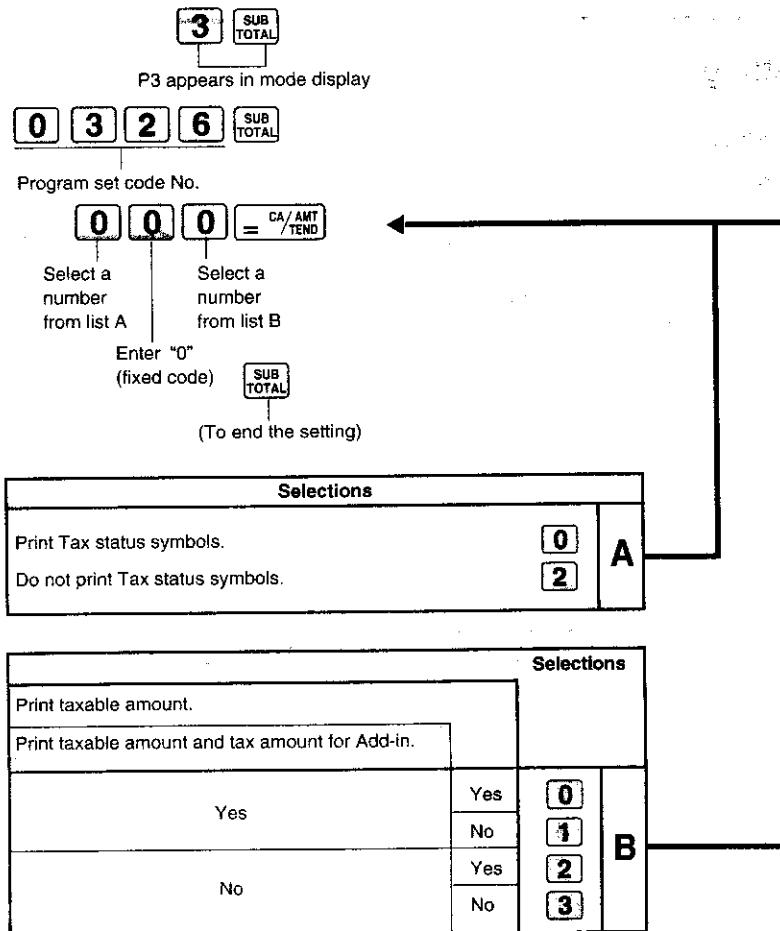
1-8-2 Unit Prices for PLUs

Example

PLU No.	1	2
Unit Price	\$1.00	\$3.00



1-9 To control Tax Status printing



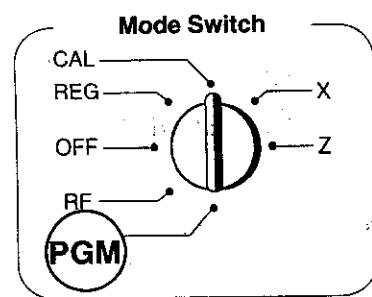
1-10 Printing to read All Preset Data

1-10-1 Printing preset data except PLU settings

Operation

Printout

= CA/AMT	TEND	
01-08-95		Date
14-24 0070		Time/Consecutive No.
x		Read Symbol
1.....1.00	*	Dept. No./Unit Price/Tax Status
•041		Normal Dept./Digit Limit/Single Item
2.....2.20	*	
•051		
3.....11.00	*	
•000		
4.....0.00	*	
•000		
.....	#	Minus/Tax Status
2•5	%	Percent Rate/%+ or %-
•11	#	Percent Key Control/Tax Status
0122•••12		Date/Add Mode Control (fixed)
0522•1022		Print Control
0622•0000		General Control
1022••••0		Calculation Control
0326•••02		Tax Control
0125•••••		
0•0000	%	Tax Table 1
0001		
0001		
10		
30		Break Points Control
54		
73		
110		
0225•••••		Tax Table 2
5•2500	%	
5002		Rounding Specifications/Tax System Specifications
0000		
01-08-95		



1-10-2 Printing preset PLU settings

Operation Printout

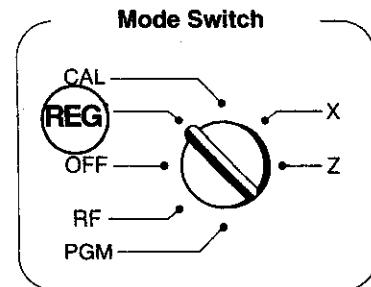
1 = CA/AMT/TEND

01-08-95	Date
14-26 0071	Time/Consecutive No.
X	Read Symbol
01.....1.00 1	PLU. No./Unit Price/ Linked department
02.....2.00 2	
03.....0.00 3	
04.....0.00 4	
05.....0.00 5	
06.....0.00 6	
07.....0.00 7	
09.....0.00 1	
16.....0.00 4	
01-08-95 1	

2. Various Operations

2-1 Registration using preset price for Departments.

(Programming: See page 18)



Example

Unit Price	\$1.00	\$2.20	\$11.00
Quantity	1	2	4
Depts.	1	2	3
Amount tendered	\$52.00		

Operation Printout

5	0	0	0	4	X	DATE/TIME	x 3	7
				SUB TOTAL				

•1.00 1 * Unit Price Programmed to Department 1
 •2.20 2 * Unit Price Programmed to Department 2
 •2.20 2 * Repeat
 4 X Multiplication Symbol
 •11.00 @ Unit Price Programmed to Department 3
 •44.00 3 *
 •49.40 TA
 •1.98 TX
 •51.38 ST
 •52.00 CA Cash Amount Tendered
 •0.62 CG Change

2-2 Single-Item Sales

(Programming: See page 19)

5	0	+ 1
---	---	-----

Example 1:

Status	Single item sale
Unit Price	\$.50
Quantity	1
Dept.	1

•0.50 1 * Taxable Amount
 •0.50 TA Tax
 •0.02 TX
 •0.52 CA Cash Sales

For this example, Dept. 1 is programmed for a single-item-sale.
 (Programming: See page 19.)

Example 2:

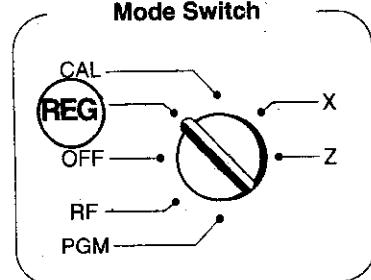
Status	Normal	Single item sale
Unit Price	\$1.00	\$0.50
Quantity	1	1
Dept.	2	1

1	0	0	- 2	
5	0	+ 1	5	
				SUB TOTAL
				= CA/AMT/TEND

•1.00 2 * Taxable Amount
 •0.50 1 * Tax
 •1.50 TA
 •0.06 TX
 •1.56 CA Cash Sales

Single-item sale cannot be finalized if an item is registered previously.

Mode Switch



2-3 Check Sales

Example:

Unit Price	\$35.00
Quantity	2
Dept.	4

Operation

3 5 0 0
+ 4
8
÷ 4
SUB TOTAL
CHK

Printout

•35.00 4 *
•35.00 4 *
•70.00 TA
•2.80 TX
•72.80 CK — Check Sales

2-4 Change the Tax Status

(Programming: See page 18)

Example:

Unit Price	\$1.00	\$2.00
Quantity	1	1
Depts.	1	2
Preset Status	Taxable 1	Taxable 1
This Registration	Non-taxable	Taxable 1

1 0 0 + 1
2 0 0 - 2
= CA/AMT/TEND

•1.00 1 TX2
•2.00 2 *
•2.00 TA
•0.08 TX
•3.08 CA

2-5 Manual Tax

Example:

Unit Price	\$1.00	\$2.00
Quantity	1	1
Depts.	1	2

1 0 0 + 5
1 0 % CLK
2 0 0 - 2
= CA/AMT/TEND

•1.00 1 *
10 %—
-0.10 * — Manual Tax Symbol
•2.00 2 *
•2.90 TA
•0.12 TX
•3.02 CA

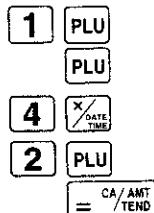
 key is programmed to function as a Manual Tax key (see page 20).

2-6 PLU operation

(Programming: See page 23)

Example:

PLU No.	1	2
Unit Price	\$1.00	\$2.00
Quantity	2	4
Cash Amount Tendered		\$13.00



• 1•00	1 *	Linked Department No.
• 1•00	1 *	Repeat
4	x	Multiplication Symbol
• 2•00	@	Preset Unit Price
• 8•00	2 *	
• 10•00	TA	
• 0•40	TX	
• 10•40	CA	Cash Amount Tendered

When a PLU is registered, the linked department number is printed instead of the entered PLU number.

2-7 PLU Single-Item Sales

(Programming: See page 23)

Example 1:

PLU No.	1
Status	Single item sale
Unit Price	\$1.00
Quantity	1



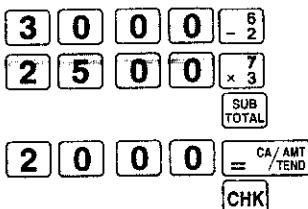
• 1•00	1 *	Taxable Status Symbol
• 1•00	TA	Taxable Amount
• 0•04	TX	Tax
• 1•04	CA	

- For this example, linked department 1 is programmed for a single-item-sale. (Programming: See page 19.)
- Single-item sale cannot be finalized if an item is registered previously.

2-8 Split cash/check sales

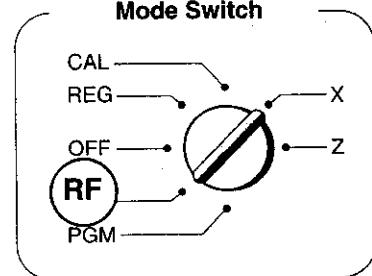
Example:

Unit Price	\$30.00	\$25.00
Quantity	1	1
Depts.	2	3
Cash amount tendered		\$20.00
Check		\$37.20



• 30•00	2 *	
• 25•00	3 *	
• 55•00	TA	
• 2•20	TX	
• 57•20	ST	
• 20•00	CA	
• 37•20	CK	

Mode Switch



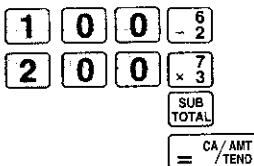
2-9 Refund

Operation

Printout

Example

Unit Price	\$1.00	\$2.00
Quantity	1	1
Dept.	2	3



13-55 0040 RF

Refund Mode Symbol

- 1.00 2 *
- 2.00 3 *
- 3.00 TA
- 0.12 TX
- 3.12 CA

After you finish RF mode operation, be sure to return the Mode Switch to the REG (register) setting.

2-10 Cashier Assignment

(Programming: See page 21)

Cashier assignment system is used to control each cashier (or clerk) sales total. When you select this function on page 21, you can get 4 cashiers (or clerk) sales data.

Cashier assignment must be performed prior to starting registration or any other operation, except Program mode.

Mode Switch

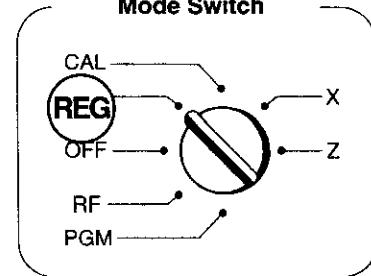
In any mode REG, RF, CAL, X or Z, except PGM

1 % CLKF
Cashier ID No. is signed on (registered)

Selections		
Sign off (cancel) the assignment of cashier ID No.		
Assign a cashier ID No. 1 through 4.		
1	0	A
1	4	

- Currently assigned cashier (or clerk) ID number is printed on the receipt or journal for each transaction.
- The assigned clerk memory number is automatically signed off when the mode key is set to OFF position.
- The assigned clerk (or cashier) sales totals with ID number are printed on the receipt or journal when you perform daily X/Z sales report.

Mode Switch



2-11 Other registrations

2-11-1 Reading the Time and Date



13 - 53

Hour/Minute



01 - 08 - 95

Month/Date/Year



0.00

• Flashes per second

2-11-2 Paid out from cash in drawer

12345678 #/NS

Enter reference No.

1 0 0 0 PO/T/S2

12345678
01-08-95
13-57 0041

•10.00 PO

Paid Out Amount

2-11-3 Cash received on account

6 0 0 RA/T/S1

•6.00 RA

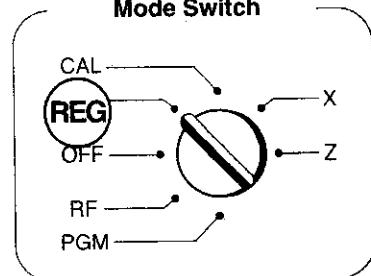
Received On Account Amount

2-11-4 Registering identification numbers

 1 2 3 4
 5 6 7 8 #/NS
 5 0 + 1
 CA/AMT TEND

 12345678 # Reference No. or ID No.
 01-08-95
 13-59 0046
 •0.50 1 *
 •0.50 TA
 •0.02 TX
 •0.52 CA

Mode Switch



2-11-5 Reduction on subtotal

Operation

Printout

Example:

Amount due reduced by \$0.50.

1	0	0	+ 1
2	0	0	8 ÷ 4
			SUB TOTAL
5	0	0	— ERR CODE
			= CA/AMT TEND

•1.00	1*	
•2.00	4*	
•3.12	ST	
-0.50		
•3.00	TA	
-0.12	TX	
•2.62	CA	

2-11-6 Premium/ Discount

- 2.5% premium/discount (programmed to $\frac{\%}{CLK}$ key) applied to first item.
- Be sure to use $\frac{\%}{CLK}$ key when you wish to apply a premium/discount to the subtotal. You cannot use the $\frac{\%}{SUB
TOTAL}$ key.
- 7% premium/discount applied to transaction total.
- For programming the $\frac{\%}{CLK}$ key as percent minus or percent plus, see page 20.
- For programming percent rate, see page 18.

1	0	0	+ 1
2	0	0	6 — 2
3	0	0	+ 1
7	0	0	— MD ST
			% CLK
			= CA/AMT TEND

Premium

•1.00	1*	Premium Rate
2.5	%	Premium Amount
•0.03	*	
•2.00	2*	Subtotal
•3.00	1*	
•6.03	ST	
7	%	Premium Rate
•0.42	*	Premium Amount
•6.45	TA	
•0.26	TX	
•6.71	CA	

Discount

•1.00	1*	Discount Rate
2.5	%	Discount Amount
-0.03	*	
•2.00	2*	
•3.00	1*	Subtotal
•5.97	ST	
7	%	Discount Rate
-0.42	*	Discount Amount
•5.55	TA	
•0.23	TX	
•5.78	CA	

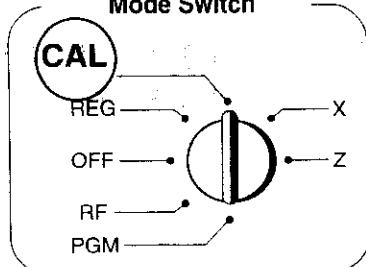
Part 3

CALCULATOR FUNCTION

1. Calculator Mode

While registering at REG mode, you can switch to CAL mode and then return to REG mode to resume the registration.

Mode Switch



1-1 Calculation examples

Operation

5+3-2=

AC c

5 + 1 AC c

(Error)

(Cancels item entered.)

C 0

(23-56)×78=

5 + 3 - 2 = CA/AMT/TEND

6.

(4×3-6)÷3.5+8=

2 3 - 5 6 × 7 8 = CA/AMT/TEND

-2574.

12% on 1500

4 × 3 - 6 ÷ 3.5 + 8 = CA/AMT/TEND

97142857

1 5 0 0 × 7 1 2 % CLK#

180.

Part-3

1-2 Memory recall

Recalls the current amount onto the display.

- during registration: current subtotal
- registration has been completed: the last amount

On CAL mode

Operation

Display

Example:

Divide the current subtotal \$30.00 at REG mode by 3 (to divide the bill between 3 people).

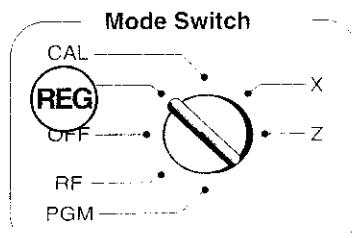
PLU ÷ 3 = CA/AMT/TEND

10.

Memory recall

On REG mode

Recalls the current result by pressing [= CA/AMT/TEND] key at CAL mode on the display.



Operation

Printout

PLU = CA/AMT/TEND

PLU = CA/AMT/TEND

PLU = CA/AMT/TEND

Memory recall

•10.00 1

•20.00 2

•30.00 ST

•10.00 CA

•10.00 CA

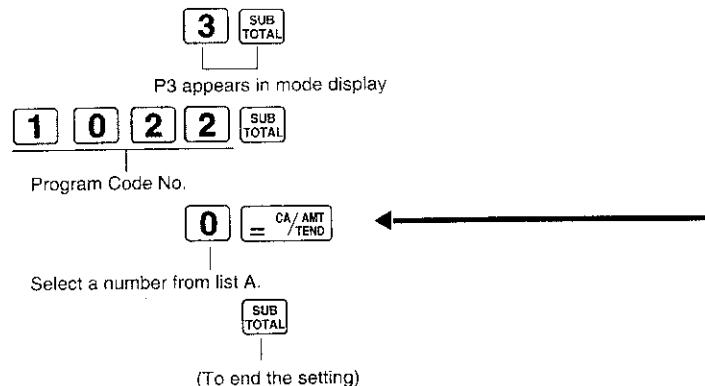
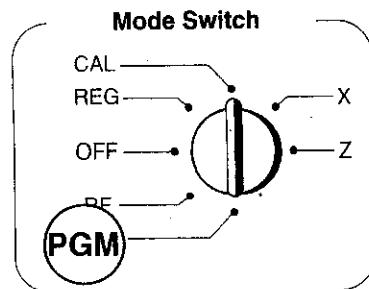
•10.00 CA

•0.00 CG

Example:

Recall the current result at CAL mode during registration, and register the cash amount due for each person.

1-3 Setting for calculator operation



Selections					
Open drawer whenever = CA/AMT is pressed.*					
Open drawer whenever % is pressed.					
Print No. of Equal key operations on General Control X and Z reports.					
Yes	No	No	0	A	
	Yes	Yes	1		
Yes	No	No	2	A	
	Yes	Yes	3		
No	No	No	4	A	
	Yes	Yes	5		
No	No	No	6	A	
	Yes	Yes	7		

* Drawer does not open during registration procedures even if you press **= CA/AMT** by turning the mode switch to CAL position.

Part 4

USEFUL INFORMATION

1. Troubleshooting

	Symptom/Problem	Most common causes	Solutions
1	E01 appears on the display.	Changing modes without completing transaction or programming.	Return key to where it stops buzzing and press  
2	E08 appears on the display.	Sign on operation is not performed.	Prior to starting registration of any other operation, press   and then 
3	E94 appears on the display.	Printer paper is jammed.	Remove jammed paper. Turn Mode switch to OFF then turn to ON, or Turn power OFF and then turn power ON.
4	No date or time on receipt. Paper is not advancing enough.	Printer is programmed as a journal.	Program printer to print receipts.
5	Key won't turn to Z, X, PGM and RF modes.	Using OP key.	Use the PGM key.
6	Drawer opens up after ringing up only one time.	Department is programmed as a single item dept.	Program the dept. as a normal dept.
7	Not clearing totals at end of day after taking report.	Using X mode to take out reports.	Use Z mode to take out reports.
8	Programming is lost whenever register is unplugged or there is a power outage.	Bad or no batteries.	Put in new batteries.
9	Register is inoperative. Can't get money out of drawer.	No power.	Pull lever underneath register at rear.

Note:

If you cannot resolve your difficulty, please feel free to call your dealer or 1-800-638-9228. (1-800-661-2274 in Canada)

2. Specifications

INPUT METHOD

Entry: 10-key system; Buffer memory  keys (2-key roll over)

Display (Digitron): Amount 8 digits (zero suppression); Department No.; No. of repeats; TOTAL; CHANGE

PRINTER

Receipt: 14 digits (Amount 10 digits, Symbol 4 digits)

(or journal) Automatic paper roll winding (journal)

Paper roll: 58 mm × 80 mm Ø (Max.)

CALCULATIONS

Entry 8 digits; Registration 7 digits; Total 8 digits

CALCULATOR FUNCTION

8 digits; Arithmetic calculations; Percent calculations

Memory protection batteries:

The effective service life of the memory protection batteries (3 UM-3, R6P (SUM-3) or LR6 (AM-3) type batteries) is approximately one year from installation into the machine.

Power source: AC 120V, AC ($\pm 10\%$) fixed.

Power consumption: 0.07A on stand-by; 0.11A maximum

Operating temperature: 32°F to 104°F (0°C to 40°C)

Humidity: 10 to 90%

Dimensions: 8 1/2"(H)×13"(W)×14 3/16"(D) with S drawer
(219 mm(H)×330 mm(W)×360 mm(D))

Weight: 8.8 lbs (4.0 kg) with S drawer

Specifications and design are subject to change without notice.

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (Not applicable to other areas)

WARNING: This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of the FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

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This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canada Department of Communications.

Model: Serial Number: Date of Purchase:

Your Name:

Address:

Dealer's Name:

Address:

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